BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Detailed Estimate for Maintenance of Borewell at Chikkasandra & Shettyhalli, Ward No.12, Shettyhalli Sub-Division, - for the year 2014-15. (PART - B)

	Description of item	Unit	Qty	Rate	Amount
	PART - B				
1	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to cable 3 class 5 of IS 8130 - 1984 and latest amendments of IS 694 / 1990 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts (BWSSB SR 14-15 P-529, I-30 C)	Rmt	200.00	159.50	31900.00
B	Miscellaneous and unforseen cahrges				100.00
				Total	32000

CERTIFIATE

1) The work spot is inspected by me
2) The work is found necessary and the work is not split up
3) The work spot comes under under BBMP limits
4) The rates based on BWSSB SR of 2014-15

JE/AE
Shettyhalli Sub-Division
Dasarahalli Division,
BBMP, Bangalore

Asst. Exe. Engineer
Shettyhalli Sub-Division
Dasarahalli Division,
BBMP, Bangalore

Executive Engineer
Dasarahalli Division
BBMP, Bangalore

ಆಯ್ಕೆ/DD/TS/143/14-15 ದಿನಾಂಕ: 29/10/2014
ರೂ. 20.00 Lakhs (Rupees Twenty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಪರಿಶೀಲನೆ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ಪಲಂಗ, ಬೆಂಗಳೂರು
29/10

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Detailed Estimate for Maintenance of Borewell at Chikkasandra & Shettyhalli, Ward No.12, Shettyhalli Sub-Division, - for the year 2014-15. (PART - A)

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
	PART - A										
A	MOTOR REWINDING										
1	Repairs to Motor Rewinding of submersible pumpsets with copper insulation wire of suitable guage as per ISI specification with guarantee of 6 months BWSSB SR Page 2012-13, Page No.63, Item No.A(3)										
		No.	1	3822.50	3822.50	1	4785.00	4785.00	1	5885.00	5885.00
B	PUMP REPAIRS										
	Replacement of pump parts the following main components of submersible pumpsets requiring replacement										
2	Pump bowls BWSSB SR Page 2012-13, Page No.63, Item No.B(1)	No.	16	308.00	4928.00	20	308.00	6160.00	30	308.00	9240.00
3	Intermediate piece (I.P) with leaded bronze bush BWSSB SR Page 2012-13, Page No.63, Item No.B(2)	No.	1	715.00	715.00	1	715.00	715.00	1	715.00	715.00
4	Oil seal steel bush BWSSB SR Page 2012-13, Page No.63, Item No.B(3)	No.	2	121.00	242.00	2	121.00	242.00	2	121.00	242.00

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
5	Oil seal steel bush BWSSB SR Page 2012-13, Page No.63, Item No.B(4)	No.	1	132.00	132.00	1	132.00	132.00	1	132.00	132.00
6	Guide vane BWSSB SR Page 2012-13, Page No.63, Item No.B(5)	No.	16	192.50	3080.00	20	192.50	3850.00	30	192.50	5775.00
7	Impeller (shell moulded with aluminium and bronze) BWSSB SR Page 2012-13, Page No.63, Item No.B(6)	No.	16	264.00	4224.00	20	264.00	5280.00	30	264.00	7920.00
8	Discharge outlet (D.O.) bearing D.O. steel bush BWSSB SR Page 2012-13, Page No.63, Item No.B(7)	No.	1	522.50	522.50	1	522.50	522.50	1	522.50	522.50
9	D.O.bearing BWSSB SR Page 2012-13, Page No.63, Item No.B(7)	No.	2	93.50	187.00	3	93.50	280.50	3	93.50	280.50
10	Steel bush (D.O. steel bush)BWSSB SR Page 2012-13, Page No.63, Item No.B(8)	No.	2	176.00	352.00	3	176.00	528.00	3	176.00	528.00
11	Allen screw BWSSB SR Page 2012-13, Page No.63, Item No.B(09)	No.	2	77.00	154.00	2	77.00	154.00	2	77.00	154.00
12	Pump shaft made out of stainless steel center less ground with key way (upto 8 stages) BWSSB SR Page 2012-13, Page No.63, Item No.B(10)	No.	1	660.00	660.00	1	660.00	660.00	1	660.00	660.00
13	Pump Key BWSSB SR Page 2012-13, Page No.63, Item No.B(11)	No.	2	121.00	242.00	3	121.00	363.00	3	121.00	363.00
14	Pump couping (stainless steel) BWSSB SR Page 2012-13, Page No.63, Item No.B(12)	No.	1	341.00	341.00	1	341.00	341.00	1	341.00	341.00

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
15	Non return valve assembly complete. Rubber 'O' ring BWSSB SR Page 2012-13, Page No.63, Item No.B(13)	No.	1	572.00	572.00	1	572.00	572.00	1	572.00	572.00
16	Cable guard BWSSB SR Page 2012-13, Page No.63, Item No.B(14)	No.	2	165.00	330.00	2	165.00	330.00	2	165.00	330.00
17	Stainer BWSSB SR Page 2012-13, Page No.63, Item No.B(15)	No.	1	192.50	192.50	1	192.50	192.50	1	192.50	192.50
18	Brass filterBWSSB SR Page 2012-13, Page No.63, Item No.B(16)	No.	1	121.00	121.00	1	121.00	121.00	1	121.00	121.00
19	Labour charges (over hauling only)BWSSB SR Page 2012-13, Page No.63, Item No.B(17)	No.	1	550.00	550.00	1	550.00	550.00	1	550.00	550.00
C	**MOTOR REPAIRS**										
20	Above 4 HP below 5HP Stator (with one year Guarantee) BWSSB SR Page 2012-13, Page No.63, Item No.C(1)	No.	1	5940.00	5940.00	1	5940.00	5940.00	1	5940.00	5940.00
21	Above 4 HP below 5HP Rotor (with one year Guarantee) BWSSB SR Page 2012-13, Page No.63, Item No.C(2)	No.	1	4400.00	4400.00	1	4400.00	4400.00	1	4400.00	4400.00
22	Upper flange BWSSB SR Page 2012-13, Page No.63, Item No.C(3)	No.	1	330.00	330.00	1	330.00	330.00	1	330.00	330.00
23	Lower housing BWSSB SR Page 2012-13, Page No.63, Item No.C(4)	No.	1	539.00	539.00	1	539.00	539.00	1	539.00	539.00
24	Lower flange BWSSB SR Page 2012-13, Page No.63, Item No.C(5)	No.	1	407.00	407.00	1	407.00	407.00	1	407.00	407.00
25	Lock ring BWSSB SR Page 2012-13, Page No.63, Item No.C(6)	No.	2	88.00	176.00	2	88.00	176.00	2	88.00	176.00

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
26	Carbon housing BWSSB SR Page 2012-13, Page No.63, Item No.Ca(7)	No.	1	407.00	407.00	1	407.00	407.00	1	407.00	407.00
27	Thrust bearing block assembly with segment bearing pad BWSSB SR Page 2012-13, Page No.63, Item No.Cb7)	No.	1	550.00	550.00	1	550.00	550.00	1	550.00	550.00
28	Tip carbon BWSSB SR Page 2012-13, Page No.63, Item No.Cc(7)	No.	1	1760.00	1760.00	1	1760.00	1760.00	1	1760.00	1760.00
29	Studs and nuts BWSSB SR Page 2012-13, Page No.63, Item No.C(8)	No.	16	88.00	1408.00	16	88.00	1408.00	16	88.00	1408.00
30	Bearing (gunmetal) centrifugal Cast aluminium bronze, bearing bush BWSSB SR Page 2012-13, Page No.63, Item No.C(9)	No.	4	407.00	1628.00	4	407.00	1628.00	4	407.00	1628.00
31	Circlips BWSSB SR Page 2012-13, Page No.63, Item No.C(10)	No.	2	49.50	99.00	2	49.50	99.00	2	49.50	99.00
32	Motor base with pin BWSSB SR Page 2012-13, Page No.63, Item No.C(11)	No.	1	407.00	407.00	1	407.00	407.00	1	407.00	407.00
33	Labour charges (over hauling of Motor only) BWSSB SR Page 2012-13, Page No.63, Item No.C(15)	No.	1	550.00	550.00	1	550.00	550.00	1	550.00	550.00
34	Transportion of pumping MachineresBWSSB SR Page 2012-13, Page No.63, Item No.C(12)	No.	1	605.00	605.00	1	605.00	605.00	1	605.00	605.00
35	Lifting of submersible pumpset BWSSB SR Page 2012-13, Page No.63, Item No.C(14)	No.	1	770.00	770.00	1	770.00	770.00	1	770.00	770.00
36	Re-erection charges of pumping Machineres BWSSB SR Page 2012-13, Page No.63, Item No.C(13)	No.	1	1100.00	1100.00	1	1100.00	1100.00	1	1100.00	1100.00

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
D	**CONTROL PANELS**										
37	Supplying and fixig and wring 0 to 30 Votls direct reading DC Voltmer / Ammeter (PWD SR Electrical 2010-11)	No.	1	655.00	655.00	1	655.00	655.00	1	655.00	655.00
38	Supplying and fixing and wiring 3 digitital voltmeter / ammeter (PWD SR Electrical 2010-11, Page No.39, Item No.23) (PWD SR Electrical 2010-11)	No.	1	1440.00	1440.00	1	1440.00	1440.00	1	1440.00	1440.00
39	Supplying and fixing Single phase preventor using necessary wires over as existing panel board suitasble for motor up to 20 HP capacities(PWD SR Electrical 2010-11)	No.	1	735.00	735.00	1	735.00	735.00	1	735.00	735.00
40	Supplying and fixing 4 poles power contractor with no / nc contcts on existing / panel board using necessary bolts, nuts washsers and wiring etc., complete complete with AC-3 rating (PWD SR Electrical 2010-11)	No.	1	925.00	925.00	1	925.00	925.00	1	925.00	925.00
41	Supplying and fixing porcelan fuse channel with cut out on exiwting wooden / panel sing necessary nuts, bolts and washers etc., complete 32 Amps (PWD SR Electrical 2010-11) page No.33, Item No.3)	No.	1	100.00	100.00	1	100.00	100.00	1	100.00	100.00
42	Supplying and fixing and wiring 0 to 600 Volts 96 x 96mm AC Volt meter and existing panel wood board (PWD SR Electrical 2010-11) Page NO.38, Item No.16.	No.	1	430.00	430.00	3	430.00	1290.00	3	430.00	1290.00

Sl. No.	Particulars	Unit	Materials Required for 7.5 HP Repair			Materials Required for 10 HP Repair			Materials Required for 12.5 HP Repair		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12
43	Supplying and fixing mainature circuit breakers on existiong MCB distribution boards using necessary fixing materilas, and C type curve, indicator ON / OFF energy cross 3 with short circuit breaking capacity of 10 K and Complete wiring as required. (PWD SR 2010-11, Page No.37, Item	No.	1	1005.00	1005.00	1	1005.00	1005.00	1	1005.00	1005.00
	Total				**47733.50**			**53004.50**			**61749.50**

Total No of Pump Sets in Shetty Halli Sub - Division Range			
Particulars	**Nos**	**Rate**	**Amount**
7.5 HP	8	47733.50	381868.00
10 HP	43	53004.50	2279193.50
12 HP	10	61749.50	617495.00
Total	**61**		**3278556.50**
Maintenance for 12 Months			3278556.50
Less : 40%			1311422.60
			1967133.90
Misc. and rouding off			867.00
			1968000.90

Notes :

1) If Submersible pumps finds repairs in startor and rotor. Then motor can be treated as scrap

Certificate :

1) The work spot is isnepcted by me
2) The work is found nessary and the work is not split up
3) The work spot copmes under BBMP limits
4) The rates based on BWSSB 2014-15 and ELEC SR 2010-11.

JE/AE
Shettyhalli Sub-Division
Dasarahalli Division,
BBMP, Bangalore

Asst. Exe. Engineer
Shettyhalli Sub-Division
Dasarahalli Division, Dasarahalli Zone
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Executive Engineer,
Dasarahalli Division
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BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Detailed Estimate for Maintenance of Borewell at Chikkasandra & Shettyhalli, Ward No.12, Shettyhalli Sub-Division, - for the year 2014-15.

ABSTRACT

Sl. No.		Est Cost in Rs.
1	Detailed Estimate for the Work Maintenance of borewell at Shettyhalli, & Chikkabanavara (Paschim Coundi), Geleyara Balaga, Chikkasandra in Dasarahalli Zone, Dasarahalli Division, Ward No.12, Shettyhalli Sub-Division, - for the year 2014-15. (PART - A)	1968000.90
2	Detailed Estimate for the Work of Maintenance for Repairs and Replacement of Parts of Submersible Pump Set, Motor, Cables, Replacement of SM Cable in Shettyhalli, Chikkabanavara (Paschim Coundi), Geleyara Balaga, Chikkasandra in Dasarahalli Zone, Dasarahalli Division, Ward No.12, Shettyhalli Sub-Division, - for the year 2014-15. (PART - B)	32000.00
	Total	2000000.90
{Rupees Twenty Lakhs Only}		

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Shettyhalli Sub-Division
Dasarahalli Division,
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Executive Engineer,
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BBMP, Bangalore.

CE/DE/AS/40/14-15 ದಿನಾಂಕ : 29/10/2014
ರೂ 20,00,000/- (ರೂ. ಇಪ್ಪತ್ತು ಲಕ್ಷ)
.....ಗಳ ..... ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬ.ಬ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/DD/TS/143/14-15 ದಿನಾಂಕ 29/10/2014
ರೂ. 20,00,000/- Lakhs (Rupees Twenty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ.ಬ.ಮ.ಪಾ.
ದಾಸರಹಳ್ಳಿ ವಲಯ

29/10/14